

Amendments to the Claims:

1. (Currently amended) A method of drilling a hole in a multiple-layer structure, comprising:
 - positioning an electromagnet proximate the structure such that an opening defined by the electromagnet defines a location of the hole to be drilled in the structure;
 - positioning a clamp proximate the structure opposite the electromagnet;
 - securing the clamp to the structure;
 - energizing the electromagnet to securely hold the multiple layer structure together once the clamp has been positioned and secured;
 - positioning a drilling tool within the opening defined by the electromagnet; and
 - drilling a hole in the multiple layer structure at the location defined by the opening defined by the electromagnet.
2. (Original) The method of claim 1, further comprising positioning a template on the structure in the location to be drilled, wherein positioning the electromagnet comprises positioning the electromagnet on the template such that the opening defined by the electromagnet is aligned with an opening defined by the template.
3. (Original) The method of claim 2, wherein the electromagnet comprises a guidepiece aligned with and partially defining the opening, and wherein positioning the electromagnet on the template comprises positioning the guidepiece within the opening defined by the template to align the opening defined by the electromagnet with the opening defined by the template.
4. (Original) The method of claim 1, wherein positioning the clamp comprises positioning the clamp such that an opening defined by the clamp is aligned with the opening defined by the electromagnet
5. (Original) The method of claim 1, further comprising:

flowing air through the opening defined by the electromagnet; and
inserting a fastener into the hole drilled in the multiple-layer structure by
pushing the fastener through the opening defined by the electromagnet and into the hole
drilled in the multiple-layer structure with the air.

6. (Original) The method of claim 5, wherein flowing air through the
opening defined by the electromagnet comprises:

aligning a tube with the opening defined by the electromagnet; and
pulling air through the tube.

7. (Original) The method of claim 5, wherein inserting the fastener
comprises pulling the fastener through the tube and pushing the fastener through the
opening defined by the electromagnet, and into the hole drilled in the multiple-layer
structure.

8. (Original) The method of claim 5, wherein flowing air through the opening
defined by the electromagnet comprises maintaining a laminar air flow through the
opening defined by the electromagnet.

9. (Original) The method of claim 1, wherein the clamp defines an opening, and
wherein positioning the clamp comprises receiving an indication from an indicator
located on at least one of the electromagnet and the clamp that the openings defined by
the electromagnet and the clamp are aligned.

10. (Original) The method of claim 1, wherein drilling a hole comprises drilling a
hole having a countersunk portion.

11. (Original) The method of claim 1, further comprising sealing the multiple layers
prior to positioning the electromagnet.

12. (Original) The method of claim 1, further comprising cooling the electromagnet with air flowing through the electromagnet at least during a portion of the time that the electromagnet is energized.
13. (Original) The method of claim 1, further comprising removing debris from the hole as the hole is drilled by creating air flow through the opening defined by the electromagnet in a direction away from the structure.
14. (Original) The method of claim 1, wherein positioning an electromagnet comprises normalizing the opening defined by the electromagnet to the portion of the structure to be drilled.
15. (Withdrawn) A method of inserting a fastener in a hole defined by a workpiece, comprising:
 aligning an opening defined by an insertion tube with the hole defined by the workpiece;
 generating air flow through the insertion tube in a direction toward the workpiece;
 placing the fastener into the insertion tube; and
 carrying the fastener into the hole defined by the workpiece as a result of the air flow through the tube.
16. (Withdrawn) The method of inserting a fastener of claim 15, wherein aligning the opening defined by the insertion tube with the hole defined by the workpiece comprises aligning the opening defined by the insertion tube with an opening defined by a template that is placed on the workpiece such that the opening defined by the template is aligned with the hole defined by the workpiece.

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17. (Withdrawn) The method of inserting a fastener of claim 15, further comprising controlling the air flow through the opening defined by the insertion tube.